CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2015

DateRun: 06/10/2015

Experimenters: Alicia Melvin

ClientType: Chemical Company

ProjectNumber: Project #1

Substrates: Textile

PartType: Coupon

Contaminants: Inks, Fingerprints, Food

Cleaning Methods: Immersion/Soak

Analytical Methods: Visual

Purpose: To evaluate Methyl 408 and Ethyl 408 on their removal effectiveness for dry cleaning applications

Experimental Procedure: Four soils typically found in dry cleaning were applied to three fabric types (cotton, cotton/polyester blend, nylon) and then cleaned using immersion and manual cleaning.

Results: Methyl 408 and Ethyl 408 are excellent at removing stains from nylon fabric. Both chemicals made the stains worse with grass-stained cotton. Methyl 408 removed most of the grass and ink stains from polyester. Overall, these chemicals are effective at nylon and polyester dry cleaning when immersed. Adding agitation and scrubbing may improve the dry-cleaning quality of these chemicals.

Cleaning Category	Dry-cleaning							
Chemical	Methyl 408				Ethyl 408			
Soil type	Ink	Food	Sebum	Grass	Ink	Food	Sebum	Grass
Substrate								
Polyester	ME	SE	VE	ME	ME	ME	ME	SE
Nylon	VE	ME	VE	ME	VE	VE	VE	ME
Cotton	SE	ME	VE	NE	ME	SE	VE	SE

NE – Not effective
SE – Slightly effective
ME – Mostly effective
VE – Very effective

Summary:

Substrates:	Textile				
Contaminants:	Inks, Fingerprints, Food				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Xf Technologies	Methyl 408	100	0.00	☑	
Xf Technologies	Ethyl 408	100	0.00	☑	

Conclusion: Overall, these chemicals are effective at nylon and polyester dry cleaning when immersed.